



0420 \$ #3

Docket No.: 20347 US1 (C38435/128985)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
Heinrich BACHMANN, *et al.*

Serial No.: 10/053,192

Filed: January 15, 2002

For:  $\beta, \beta$ -CAROTENE 15,15'-  
MONOOXYGENASES, NUCLEIC  
ACID SEQUENCES CODING  
THEREFOR AND THEIR USE

Examiner: not yet assigned

Art Unit: not yet assigned

New York, New York  
April 8, 2002

INFORMATION DISCLOSURE STATEMENT UNDER RULE 1.56

Commissioner for Patents  
Washington, DC 20231

Sir:

Applicants wish to make of record the following documents (Form PTO-1449 is enclosed). Copies of these documents are not being submitted herewith, because each was made of record in Parent Application Serial No. 09/504,393, filed February 15, 2000, to which the present application claims benefit under 35 USC §120. *See*, 37 CFR 1.98(d).

FOREIGN PATENT DOCUMENTS

04/17/2002 CNGUYEN 00000037 024467 10053192  
01 FC:126 180.00 CH

B1 WO 93/23538

OTHER DOCUMENTS

- C1 Lakshmanan, *et al.*, "Purification and Properties of Carotene 15, 15'-Dioxygenase of Rabbit Intestine," Journal of Lipid Research, Vol. 13, pp. 477-482 (1972)
- C2 Devery, *et al.*, " $\beta$ -Carotene-15, 15'-Dioxygenase (EC 1.13.11.21) Isolation

Reaction Mechanism and an Improved Assay Procedure," British Journal of Nutrition, Vol. 72, pp. 397-414 (1994)

C3 Wolf, "The Enzymatic Cleavage of  $\beta$ -Carotene: Still Controversial," Nutrition Reviews, Vol. 53, No. 5, pp. 134-137 (1995)

C4 Thorbjornson, *et al.*, GenEmbl database - Accession No. AF073473 (1998)

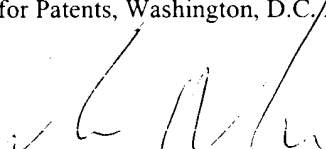
Applicants request that these documents be considered by the Examiner before issuance of a first office action on the merits and made of record in this file. The Examiner is also asked to initial and return a copy of the enclosed PTO-1449 form to evidence such consideration.

This Information Disclosure Statement is being filed in accordance with the following provisions:

[x] 37 CFR § 1.97(b)(1) Within three months of the filing date of the national application. No fee is required.

If it is determined that a fee is required as set forth in 37 CFR § 1.17(p) or 1.17(i)(1), or if any additional fees are required, please charge such fee (or credit any overpayment) to Deposit Account No. 02-4467. A duplicate copy of this document is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on April 8, 2002.

  
Gonzalo Merino, Reg. No. 51,192

Respectfully submitted,

By: 

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